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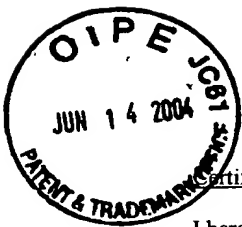
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Deanna L. Hasler  
Deanna L. Hasler

**PATENT**  
**Case No.: 10022/036**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of )  
Yannis S. Arvanitis, et al. )  
Serial No.: 09/677,135 )  
Filed: September 29, 2000 )  
For: PRESENTATION SERVICE )  
ARCHITECTURES FOR )  
NETCENTRIC COMPUTING )  
SYSTEMS )

Group Art Unit: 2173  
Examiner: Nguyen, Cao

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**DISCLOSURE OF PRIOR ART UNDER 37 C.F.R. § 1.56**

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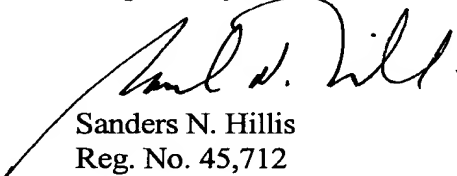
In connection with the examination of the above-identified application, the applicants, through the subscribing attorney, hereby invite the Examiner's attention to the enclosed list of prior art.

Also enclosed is a copy of an Amendment and Response to Office Action in the above-referenced application, which is being transmitted simultaneously herewith under separate cover, via express mail, Express Mail Label No. EV425069019US.

While the attached list of prior art is believed to include the closest prior art of which the applicant is presently aware, the applicant does not represent that any search for prior art has necessarily been made nor that no better prior art exists. For the convenience of the Examiner, a copy of each piece of prior art listed is attached hereto.

A fee as set forth in 37 C.F.R. § 1.17(p) in the amount of \$180.00 is enclosed herewith. Should the enclosed check be insufficient, omitted or should any additional fees be deemed necessary under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these material, the Commissioner is hereby authorized to deduct said fees from Brinks Hofer Gilson & Lione Deposit Account No. 23-1925.

Respectfully submitted,



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1449	SERIAL NO. 09/677,135	CASE NO. 10022/036
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE September 29, 2000	GROUP ART UNIT 2674
(use several sheets if necessary)		APPLICANT(S): Yannis S. Arvanitis, et al.

# REFERENCE DESIGNATION

# U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER <small>Number-Kind Code (if known)</small>	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
	A1	6,640,249 B1	10/28/2003	Bowman-Amuah	709/228	08/31/1999
	A2	6,615,258 B1	09/02/2003	Barry et al.	709/223	09/24/1998
	A3	6,598,046 B1	07/22/2003	Goldberg et al.	707/5	09/29/1998
	A4	6,584,466 B1	06/24/2003	Serbinis et al.	707/10	04/07/1999
	A5	6,529,948 B1	03/04/2003	Bowman-Amuah	709/217	08/31/1999
	A6	6,523,027 B1	02/18/2003	Underwood	707/4	07/30/1999
	A7	6,418,430 B1	07/09/2002	DeFazio et al.	707/3	01/10/1999
	A8	6,405,364 B1	06/11/2002	Bowman-Amuah	717/101	08/31/1999
	A9	6,401,097 B1	06/04/2002	McCotter et al.	707/102	01/22/1999
	A10	6,289,382 B1	09/11/2001	Bowman-Amuah	709/226	08/31/1999
	A11	6,256,773 B1	07/03/2001	Bowman-Amuah	717/1	08/31/1999
	A12	6,185,573 B1	02/06/2001	Angelucci et al.	707/104	04/22/1998
	A13	6,144,975	11/07/2000	Harris, Jr. et al.	707/901	05/05/1998
	A14	6,112,304	08/29/2000	Clawson	713/156	08/27/1997
	A15	6,038,560	03/14/2000	Wical	707/5	05/21/1997
	A16	6,029,192	02/22/2000	Hill et al.	709/206	03/14/1997
	A17	6,023,698	02/08/2000	Lavey, Jr. et al.	707/10	12/05/1996
	A18	6,012,071	01/04/2000	Krishna et al.	707/522	01/29/1997
	A19	6,006,171	12/21/1999	Vines et al.	702/184	07/28/1997
	A20	5,933,582	08/03/1999	Yamada	395/114	02/23/1996
	A21	5,930,512	07/27/1999	Boden et al.	395/710	10/18/1996
	A22	5,924,096	07/13/1999	Draper et al.	707/10	10/15/1997
	A23	5,905,868	05/18/1999	Baghai et al.	395/200.54	07/22/1997
	A24	5,892,905	04/06/1999	Brandt et al.	395/187.01	12/23/1996
	A25	5,877,759	03/02/1999	Bauer	345/339	03/26/1997
	A26	5,860,012	01/12/1999	Luu	395/712	05/19/1997
	A27	5,859,969	01/12/1999	Oki et al.	395/200.3	01/11/1996
	A28	5,805,785	09/08/1998	Dias et al.	395/182.02	02/27/1996
	A29	5,799,297	08/25/1998	Goodridge et al.	707/1	12/15/1995
	A30	5,781,732	07/14/1998	Adams	395/200.35	06/20/1996
	A31	5,758,150	05/26/1998	Bell et al.	395/610	10/06/1995
	A32	5,745,753	04/28/1998	Mosher, Jr.	395/610	01/24/1995
	A33	5,742,829	04/21/1998	Davis et al.	395/712	03/10/1995
	A34	5,737,533	04/07/1998	de Hond	395/200.49	10/26/1995
	A35	5,710,915	01/20/1998	McElhiney	395/603	12/21/1995
	A36	5,619,716	04/08/1997	Nonaka et al.	395/800	06/06/1995
	A37	5,956,479	09/21/1999	McInerney et al.	395/183.14	11/13/1995
	A38	5,590,270	12/31/1996	Tsukuda et al.	395/701	02/21/1995
	A39	5,535,388	07/09/1996	Takeda	395/650	06/09/1994
	A40	5,495,610	02/27/1996	Shing et al.	395/600	07/13/1995

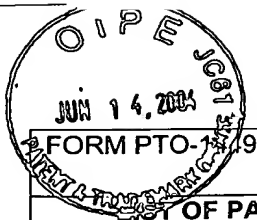
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FORM PTO-1419	SERIAL NO. 09/677,135	CASE NO. 10022/036
STATEMENT OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE September 29, 2000	GROUP ART UNIT 2674
(use several sheets if necessary)	APPLICANT(S): Yannis S. Arvanitis, et al.	

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER Number-Kind Code (if known)	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
	A41	4,809,170	02/28/1989	Leblang et al.	364/200	04/22/1987

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER <small>Number-Kind Code (if known)</small>	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES OR NO
	A42	EP 0520923 A2	12/30/1992	Europe	G06F 15/21	
	A43	EP 0769739 A2	04/23/1997	Europe	G06F 9/44	
	A44	EP 0829808 A2	03/18/1998	Europe	G06F 13/38	
	A45	EP 0841616 A2	05/13/1998	Europe	G06F 9/445	
	A46	EP 0915422 A1	05/12/1999	Europe	G06F 11/22	
	A47	GB 2315891 A	02/11/1998	United Kingdom	G06F 17/30	
	A48	WO 92/20022	11/12/1992	PCT	G06F 1/00	
	A49	WO 95/23373	08/31/1995	PCT	G06F 9/28	
	A50	WO 97/12311	04/03/1997	PCT	G06F	
	A51	WO 98/52121	11/19/1998	PCT	G06F 11/32	
	A52	WO 98/53396	11/26/1998	PCT	G06F 9/44	
	A53	WO 98/54660	12/03/1998	PCT	G06F 17/30	
	A54	WO 98/57260	12/17/1998	PCT	G06F 9/44	
	A55	WO 99/38079	07/29/1999	PCT	G06F 13/00	

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## OTHER ART - NON PATENT LITERATURE DOCUMENTS

(Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.

	A56	Billy B.L. Lim, "Teaching web development technologies in CS/IS curricula," ACM, copyright 1998, pp. 107-111
	A57	Litoiu et al., "A performance engineering tool and method for distributed applications," ACM, pp. 1-14
	A58	Zoller et al., "A toolkit for an automatic, data dictionary based connection of databases to the WWW," ACM, copyright 1998, pp. 706-718
	A59	McDowell et al., "Unloading Java classes that contain static fields," ACM, v. 33(1), 10/15/1997, pp. 56-60
	A60	Orfali, R., Harkey, D., "Client/Server Programming with OS/2 2.0 (2nd Ed.)" 1992, Van Nostrand Reinhold New York, U.S., pp. 10-24, 111-137, 149-160, 588-594, XP002164217, ISBN 0-442-01219-5
	A61	Orfali, R., Harkey, D., Edwards, J., "Intergalactic Client/Server Computing," Byte, McGraw-Hill, Inc., St. Peterborough, U.S., Vol. 20, No. 4, 1 April 1995, pp. 108-110, 114, 11, XP000501823, ISSN: 0360-5280;
	A62	Smeets, J., Boyer, S., "Internet and Client Server Patent Information Systems: New Services from Derwent," World Patent Information, GB, Elsevier Sciences Publishing, Barking, Vol. 20, No. 2, June 1998, pp. 136-139, XP004165804, ISSN 0172-2190

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LIST OF PATENT AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE September 29, 2000	GROUP ART UNIT 2674
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EXAMINER INITIAL	OTHER ART – NON PATENT LITERATURE DOCUMENTS (Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.	
	A63	Orfali, R., Harkey, D., "Client/Server With Distributed Objects," Byte, McGraw-Hill, Inc., St. Peterborough, U.S., Vol. 20, No. 4, 1 April 1995, pp 151-152, 154, 156, XP000501827, ISSN 0360-5280
	A64	Aoyama, M., Hanai, Y., Suzuki, M., "An Integrated Software Maintenance Environment: Bridging Configuration Management and Quality Management," Proceedings of the Conference on Software Maintenance, International Conference on Software Maintenance, Washington, US, IEEE Computer Society Press, 24 October 1988 pp. 40-44
	A65	Borsook, P., "Seeking Security. Mainframe Techniques Define System Security. Soon, they'll be Adapted To Distributed Client/Server Systems." Byte, McGraw-Hill, Inc., St. Peterborough, Vol. 18, No. 6, 1 May 1993, pp. 119-122, 124, 12, XP000359327, ISSN 0360-5280.
	A66	Tanenbaum, A., "Computer Networks - Third Edition," Prentice-Hall International, London, GB, 1996, pp. 28-39, XP002161723
	A67	Blakeley, J.A., "Universal Data Access with OLE DB," Proceedings of IEEE Compcon, U.S. Los Alamitos, IEEE Computer Society Press, 23 Feb. 1997, pp. 2-7
	A68	IBM Technical Disclosure Bulletin, "Security, License Management and Application Metering Process for Controlling Applications in the DOS Environment," IBM Corp., New York, US, Vol. 37, No. 11, pp 195-199, 1 Nov. 1994
	A69	Voth, G.R., Kindel, C., Fujioka, J., "Distributed Application Development for Three-Tier Architectures: Microsoft on Windows DNA," IEEE Internet Computing Vol. 2, No. 2, March/April 1998, USA
	A70	Lambert, N., "A New Patent Search Tool For The Internet. Q-PAT US." Database, US, Cincinnati, Vol. 19, No. 4, 1 August 1996
	A71	Abdel-Mottaleb, M., Hsiang-Lung, W., Dimitrova, N., "Aspects of Multimedia Retrieval," Philips Journal of Research, NL, Elsevier, Amsterdam, Vol. 50, No. 1, 1996, pp. 227-251
	A72	Olson, M.A., "DataBlade extensions for INFORMIX-Universal Server," Compcon '97 Proceedings, IEEE, 1997, pp. 143-148
	A73	Chamberlin, D.D., "Evolution of Object-Relational Database Technology in DB2," Compcon '97 Proceedings, IEEE, 1997, pp. 131-135
	A74	Nori, A.K., Kumar, S., "Bringing Objects to the Mainstream," Compcon '97 Proceedings, IEEE, 1997, pp. 136-142
	A75	"Data Joiner: A Multidatabase Server Version 1," White Paper, IBM Data Management Solutions, IBM, USA, second edition (May 1995)
	A76	"Effective Systems management for DB2 Universal Database," White Paper, IBM Data Management Solutions, IBM, USA, first edition (December 1996)
	A77	Pleas, K., "Ole's Missing Links," BYTE, McGraw-Hill Inc., St. Peterborough, US, Vol. 21, No. 4, 1 April 1996, pp. 99-102 X-000586036, ISSN 0360-5280
	A78	Burke, M.G., Choi, J.D., Fink, S., Grove, D., Hind, M., Sarkar, V., Serrano, M.J., Sreedhar, V.C., Srinivasan, H., "The Jalapeno Dynamic Optimizing Compiler for Java," Java '99, San Francisco, CA, US, ACM 12 June 1999, pp. 129-141 XP002134655
	A79	Cramer, T., Friedman, R., Miller, T., Seberger, D., Wilson, R., Wolczko, M., "Compiling Java Just in Time," IEEE Micro, IEEE Inc., New York, US, Vol. 17, No. 3, 1 May 1997, pp. 36-43 XP000656035, ISSN: 0272-1732
	A80	Bank, J.S., "Java Security," 8 December 1995, pp. 1-13, X-002092325
	A81	Koved, L., Nadalin, A.J., Neal, D., Lawson, T., "The Evolution of Java Security," IBM, The Ultimate Resource for Java Developers, 1998, pp. 1-14, XP002144222

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	A82	Touch, J., Hughes, A.S., "LSAM proxy cache: a multicast distributed virtual cache," Computer Networks and ISDN Systems, North Holland Publishing, Amsterdam, NL (3W3 Workshop, University of Manchester, 15-17th June, 1998), Vol. 30, No. 22-23, 25 Nov. 1998, pp. 22-23
	A83	Clip, P., "Servlets: CGI The Java Way," BYTE, McGraw-Hill, Inc., St. Peterborough, US, Vol. 23, No. 5, 1 May 1998, pp. 55-56
	A84	Gwertzman, J.S., Seltzer, M., "The Case For Geographical Push-Caching," Workshop on Hot Topics in Operating Systems, 4 May 1995, pp. 51-55
	A85	Chamberlin, D.D., "Using the new DB2: IBM's object-relational database system," Morgan Kaufmann Publishers, USA, 1996, ISBN 1-55860-373-5, ppl. 561-567
	A86	North, K., "Database Programming with OLE and ActiveX," DBMS, US, M&T Publ., Redwood City, CA, US, 11-1996, pp. 1-8
	A87	Joshi, S.M., Veeramani, D., "Book Review. Increasing the Interoperability of CAD Packages. CAD and Office Integration: OLE for Design and Modeling – A New Technology for CA-Software," Computer Aided Design, Elsevier Publishers BV, Barking, GB, Vol. 29, No. 12, 12/01/1997, pp. 907
	A88	Schmoll, J. "Wird OLE for Process Control (OPC) Ein Neuer Industriestandard?", Automatisierungstechnische Praxis, ATP, Oldenbourg Verlag, Munchen, DE, Vol. 39, No. 5, 05/01/1997, pp. 11-12, 14-17
	A89	Williams, S., Kindel, C., "The Component Object Model. The Foundation for OLE Services," Dr. Dobbs's Special Report. Winter, 1994/95, Vol. 19, No. 16, 12/21/1994 pp. 14-22
	A90	Smith, D., Tilley, S.R., Weideman, N.H., "Transforming Legacy Application into Object-Oriented Applications Workshop, Will Net-Centric Computing Change the Reengineering Equation?" 1996, pp. 1-4
	A91	Hamilton, M.A., "Java and the shift to Net-centric computer," Sun Microsystems, Computer, paper published Aug. 1996, ISSN: 0018-9162, Aug. 1996, pp. 31-39

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